

# Reading and Interpreting OBQI Reports

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OBQI Reports for Home Health Agencies  
Satellite Broadcast - February 22, 2002

## OBQI Reports

- Outcome Report
  - Risk-adjusted
  - Descriptive
- Case Mix
- Patient Tally
  - Outcome
  - Case Mix

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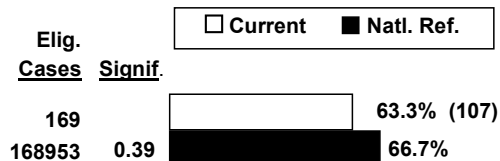
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## Outcome Report Excerpt

### Improvement in Grooming



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## Case Mix Report Excerpt

### All Patients' Case Mix Profile at SOC/ROC

	Current Mean	Reference Mean
Inpatient DC within 14 Days of SOC/ROC		
From hospital (%)	69.1%	68.4%
From rehab facility (%)	7.2%	6.4%
From nursing home (%)	1.8%	3.3%

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## Tally Report Excerpt

Agency Name: FAIRCARE HOME HEALTH SERVICES  
Agency ID: HH401  
Location: ANYTOWN, USA

### Case Mix Tally Report

Report Period: 01/01/2001 - 12/01/2001		Demographics				Payment Source				Resi- dence	Current Living Situation
Legend: y = Attribute present n = Attribute not present number = Patient's actual score on item with scale .. = No data collected for this item		Age	Gender	Race	Race	Any Medicare	Medicare	Medicare	Medicare	Own Home	With family member
Patient Name		SOC/ROC Date	Age	Gender	Race	Any Medicare	Medicare	Medicare	Medicare	Own Home	With family member
ANDERSON, .....		06/12/91	74	y	n	y	n	n	n	y	n
BROWN, .....		11/24/90	66	y	n	y	n	n	n	y	n
BYRNNE, .....		08/24/91	81	y	n	y	n	n	n	n	y

## Sample Outcome Report

- Handout:  
Faircare Home Health  
Services

## Report Period

Page 1 of 3

Requested Current Period: 01/2001 - 12/2001  
Actual Current Period: 01/2001 - 12/2001  
Number of Cases in Current Period: 374  
Number of Cases in Natl Ref Sample: 357978  
Date Report Printed: 02/28/2002

## Number of Cases

Page 1 of 3

Requested Current Period: 01/2001 - 12/2001  
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## Eligible Cases by Outcome Measure

### End Result Outcomes:

Improvement in Grooming

Agency  
Current

Elig.  
Cases

169

168953

Stabilization in Grooming

Agency  
Current

353

333193

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## Eligible Cases by Outcome Measure

### End Result Outcomes:

Improvement in Grooming

National  
Reference

Elig.  
Cases

169

168953

Stabilization in Grooming

National  
Reference

353

333193

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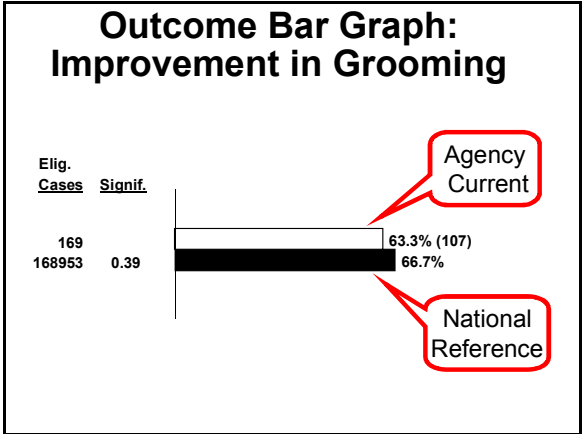
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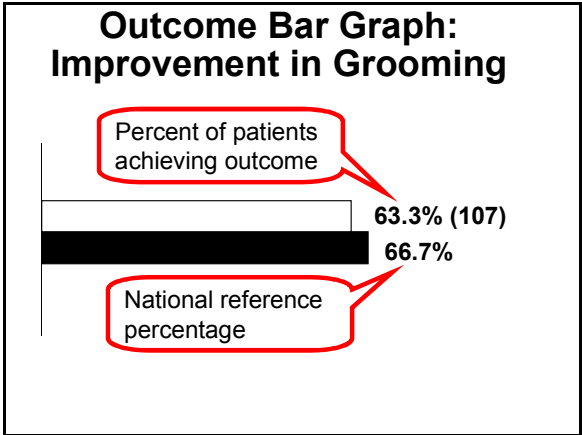
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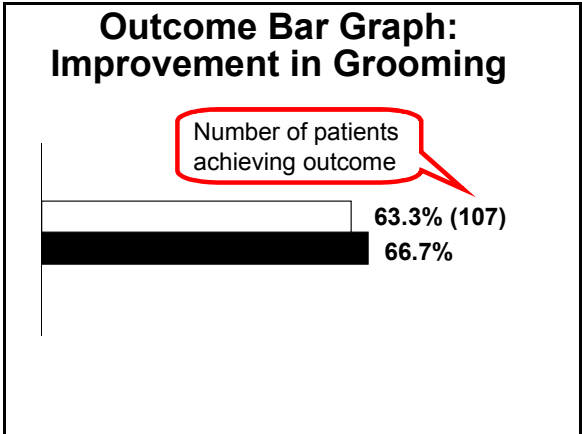
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### Types of End Result Outcomes

- Improvement
- Stabilization

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### Bathing (M0670)

0 Independent

1  Discharge

2  Start of Care

3

4

5 Most Dependent

Improvement  
= 1 (Yes)

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### Bathing (M0670)

0 Independent

1  Discharge

2  Start of Care

3

4

5 Most Dependent

Improvement  
= 0 (No)

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## Bathing (M0670)

0 Independent ← Start of Care

1

2

3

4

5 Most Dependent

Improvement =  
Not Calculated

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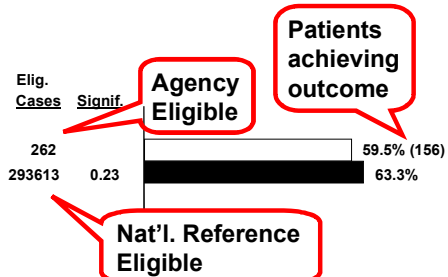
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## Improvement in Bathing




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## Bathing (M0670)

0 Independent

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5 Most Dependent

← Discharge  
← Start of Care

Stabilization  
= 1 (Yes)

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5 Most Dependent

Stabilization  
= 0 (No)

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### Bathing (M0670)

0 Independent

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5 Most Dependent ← Start of Care

Stabilization =  
Not Calculated

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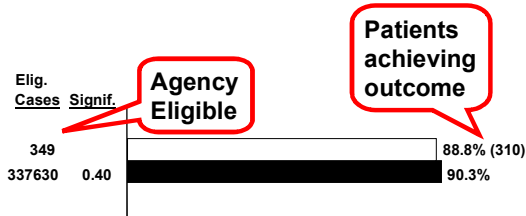
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## Stabilization in Bathing



## Statistical Significance

End Result Outcomes:	Elig. Cases	Signif.
Improvement in Grooming	169	0.39
Stabilization in Grooming	353	0.05 **
Improvement in Transferring	134	0.07 *
	168953	
	333193	
	206615	

## Statistical Significance: High Probability

End Result Outcomes:	Elig. Cases	Signif.
Improvement in Grooming	169	0.39
Stabilization in Grooming	353	0.05 **
Improvement in Transferring	134	0.07 *
	168953	
	333193	
	206615	



## Statistical Significance: Low Probability

End Result Outcomes:	Elig. Cases	Signif.
Improvement in Grooming	169 168953	0.39
Stabilization in Grooming	353 333193	0.05 **
Improvement in Transferring	134 206615	0.07 *

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## Statistical Significance: Asterisks

End Result Outcomes:	Elig. Cases	Signif.
Improvement in Grooming	169 168953	0.39
Stabilization in Grooming	353 333193	0.05 **
Improvement in Transferring	134 206615	0.07 *

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## Review Exercises ...

- Classic Agency sample report
- Chapter 3 of *Implementing OBQI*
- Appendix A: "How to Read ..."

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### **Common Responses to the Outcome Report**

- Data shock
- Denial
- Defensiveness
- Our patients are different

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### **Why Risk Adjust Outcomes?**

- Agency Q's outcomes are unfavorable compared to the national reference average.
- Why?

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### **Explanation**

- Agency Q's patients' outcomes are truly inferior to comparable patients.
- Agency Q's patients are at greater risk of poor outcomes.

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### **How Does Risk Adjustment Work?**

- **First:** Determine the relationship between a given outcome measure and those patient-level attributes (risk factors) that influence the outcome.

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### **How Does Risk Adjustment Work?**

- **Second:** Based on those relationships, calculate predicted outcome values for each patient in the agency.

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### **How Does Risk Adjustment Work?**

- **Third:** Aggregate individual patient predicted values to determine an agency-level expected rate for each outcome.

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### **How Does Risk Adjustment Work?**

- Finally: Determine the agency's actual (observed) outcome rate and compare it to the expected rate.

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### **Responses to Risk Adjustment**

- Relief
- Bewilderment
- Doubt

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### **Value of Reports for Agencies**

- Impacts of care on patients
- Evidence-based decision-making
- Powerful tool for agency use

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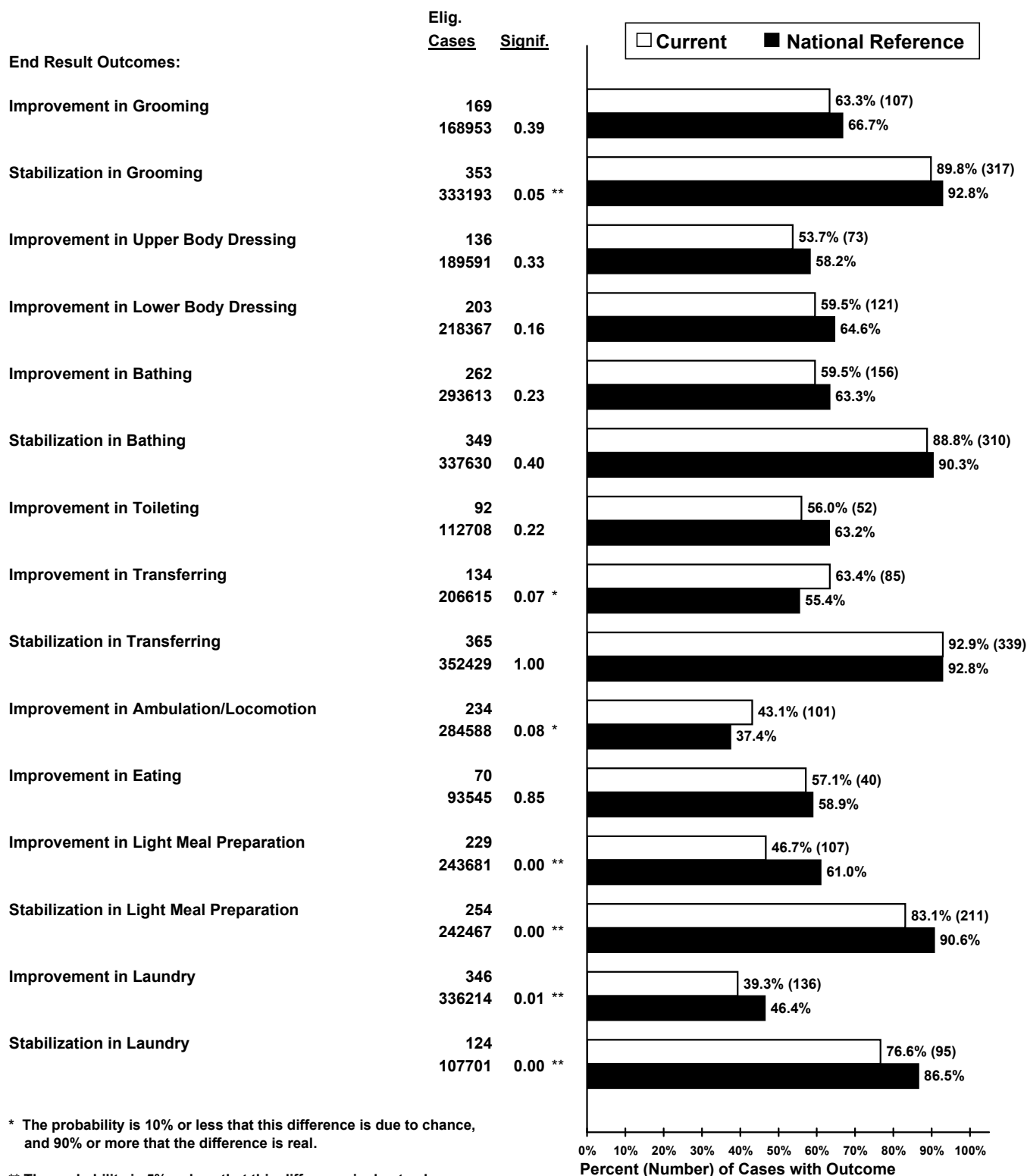
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Agency Name: FAIRCARE HOME HEALTH SERVICES  
 Agency ID: HHA01  
 Location: ANYTOWN, USA  
 Medicare Number: 007001  
 Medicaid Number: 999888001

Requested Current Period: 01/2001 - 12/2001  
 Actual Current Period: 01/2001 - 12/2001  
 Number of Cases in Current Period: 374  
 Number of Cases in Natl Ref Sample: 357978  
 Date Report Printed: 02/28/2002

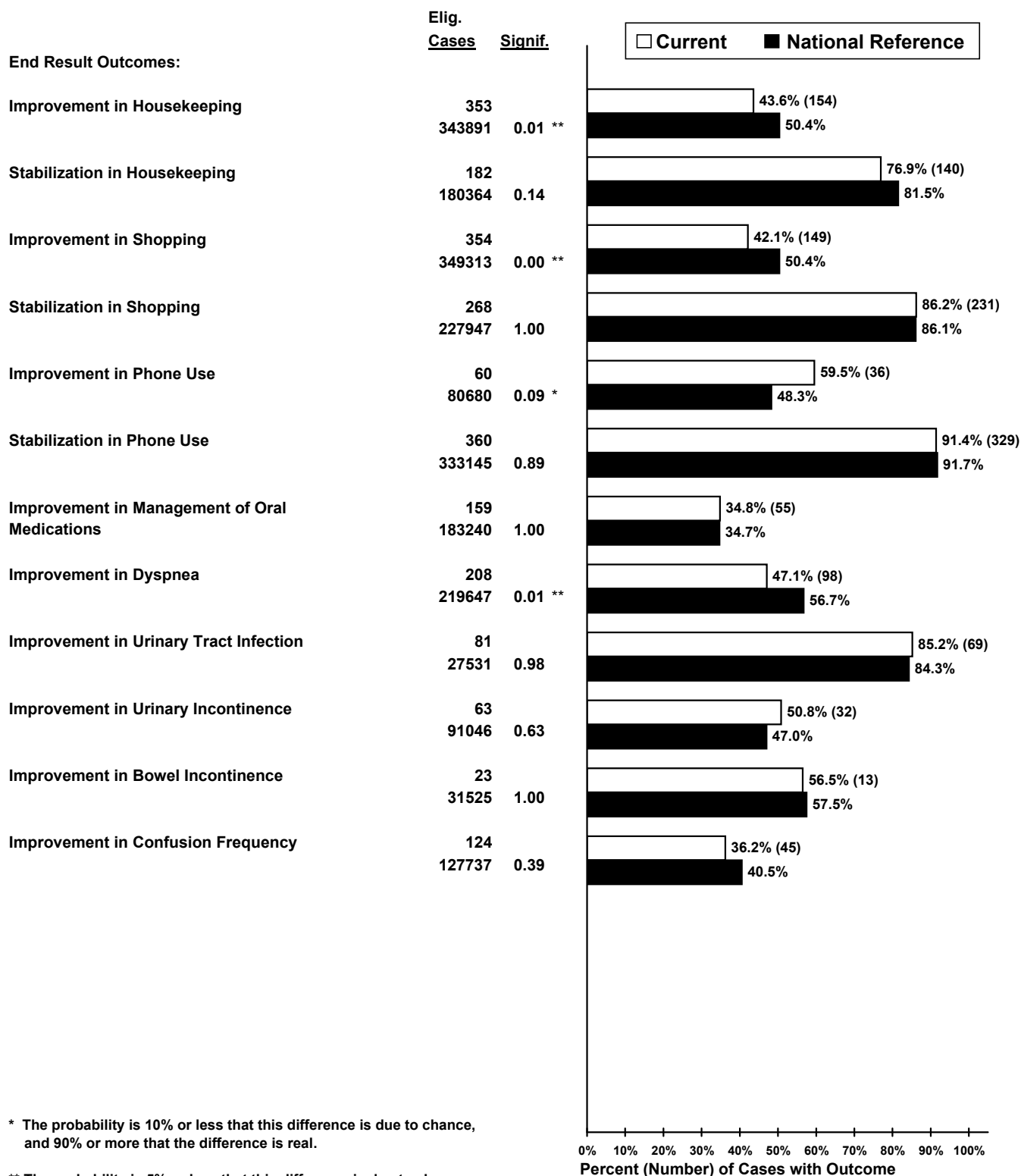
## All Patients' Risk Adjusted Outcome Report



Agency Name: FAIRCARE HOME HEALTH SERVICES  
 Agency ID: HHA01  
 Location: ANYTOWN, USA  
 Medicare Number: 007001  
 Medicaid Number: 999888001

Requested Current Period: 01/2001 - 12/2001  
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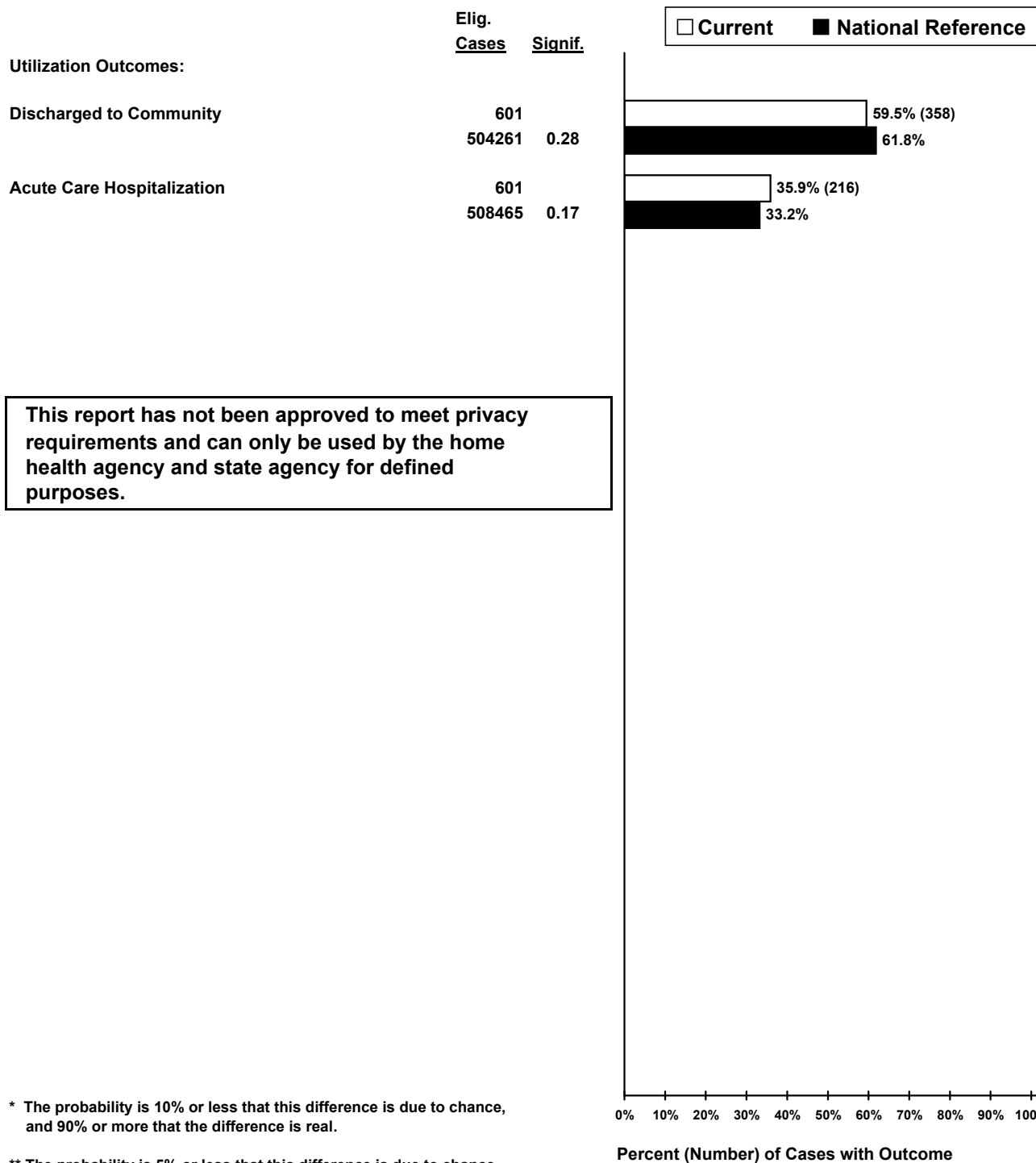
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Agency Name: FAIRCARE HOME HEALTH SERVICES  
 Agency ID: HHA01  
 Location: ANYTOWN, USA  
 Medicare Number: 007001  
 Medicaid Number: 999888001

Requested Current Period: 01/2001 - 12/2001  
 Actual Current Period: 01/2001 - 12/2001  
 Number of Cases in Current Period: 601  
 Number of Cases in Natl Ref Sample: 508465  
 Date Report Printed: 02/28/2002

## All Patients' Risk Adjusted Outcome Report



This report has not been approved to meet privacy requirements and can only be used by the home health agency and state agency for defined purposes.

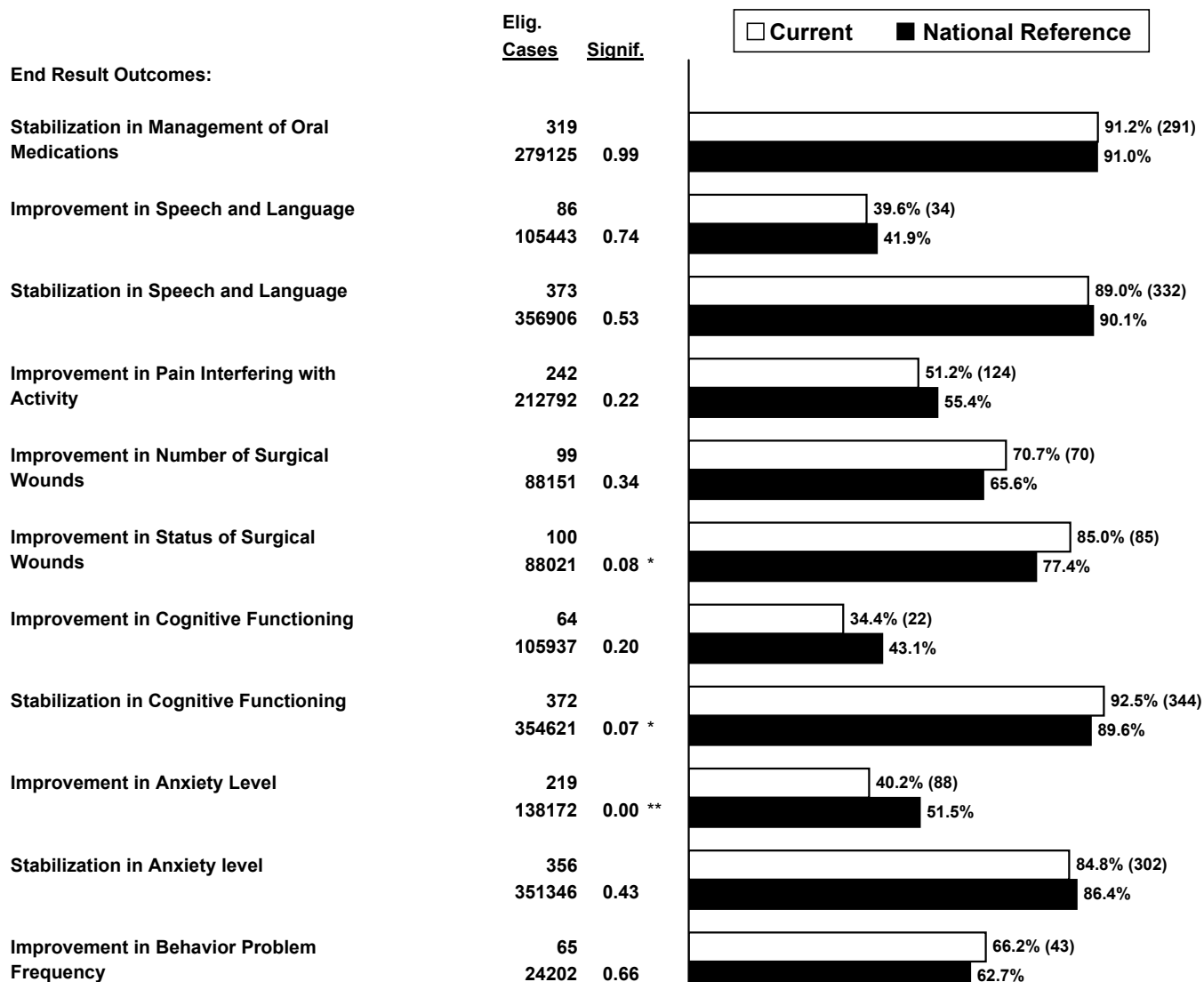
\* The probability is 10% or less that this difference is due to chance, and 90% or more that the difference is real.

\*\* The probability is 5% or less that this difference is due to chance, and 95% or more that the difference is real.

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## All Patients' Descriptive Outcome Report



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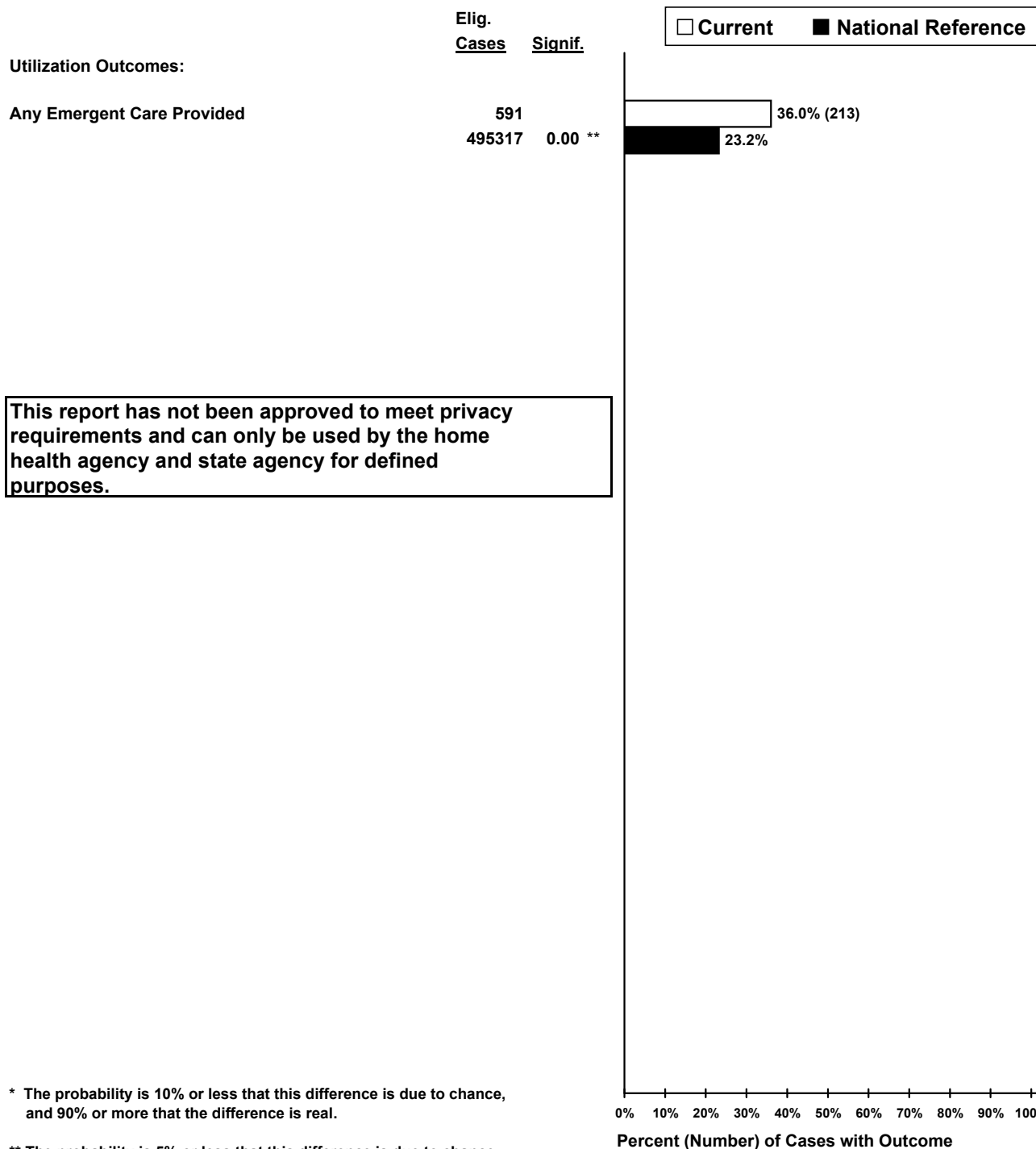
Note: The reference value is not risk adjusted.



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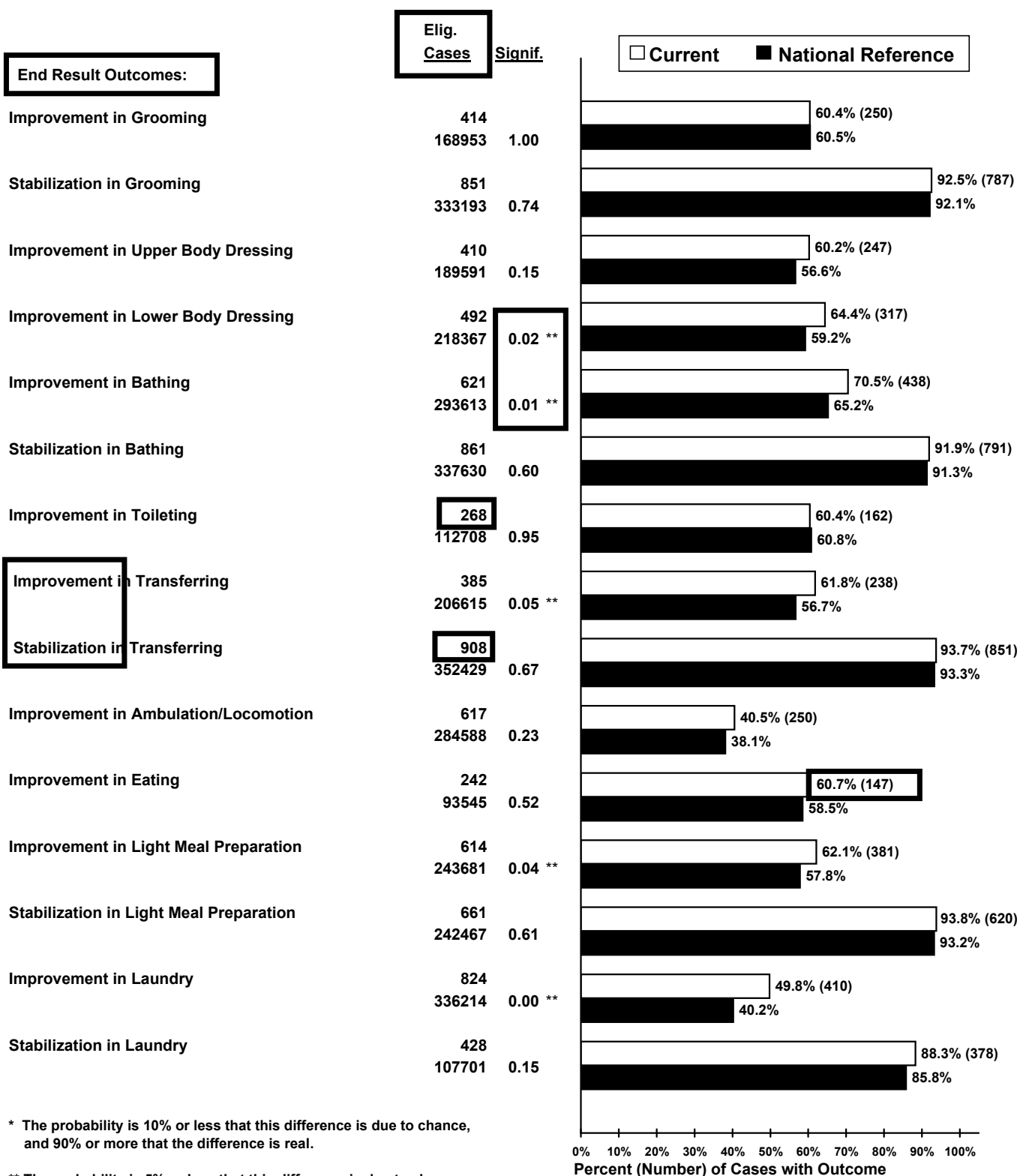


Note: The reference value is not risk adjusted.

Agency Name: CLASSIC AGENCY  
 Agency ID: HHA04  
 Location: ANYTOWN, USA  
 Medicare Number: 007004  
 Medicaid Number: 999888004

Requested Current Period: 01/2001 - 12/2001  
 Actual Current Period: 01/2001 - 12/2001  
 Number of Cases in Current Period: 926  
 Number of Cases in Natl Ref Sample: 357978  
 Date Report Printed: 02/28/2002

## All Patients' Risk Adjusted Outcome Report



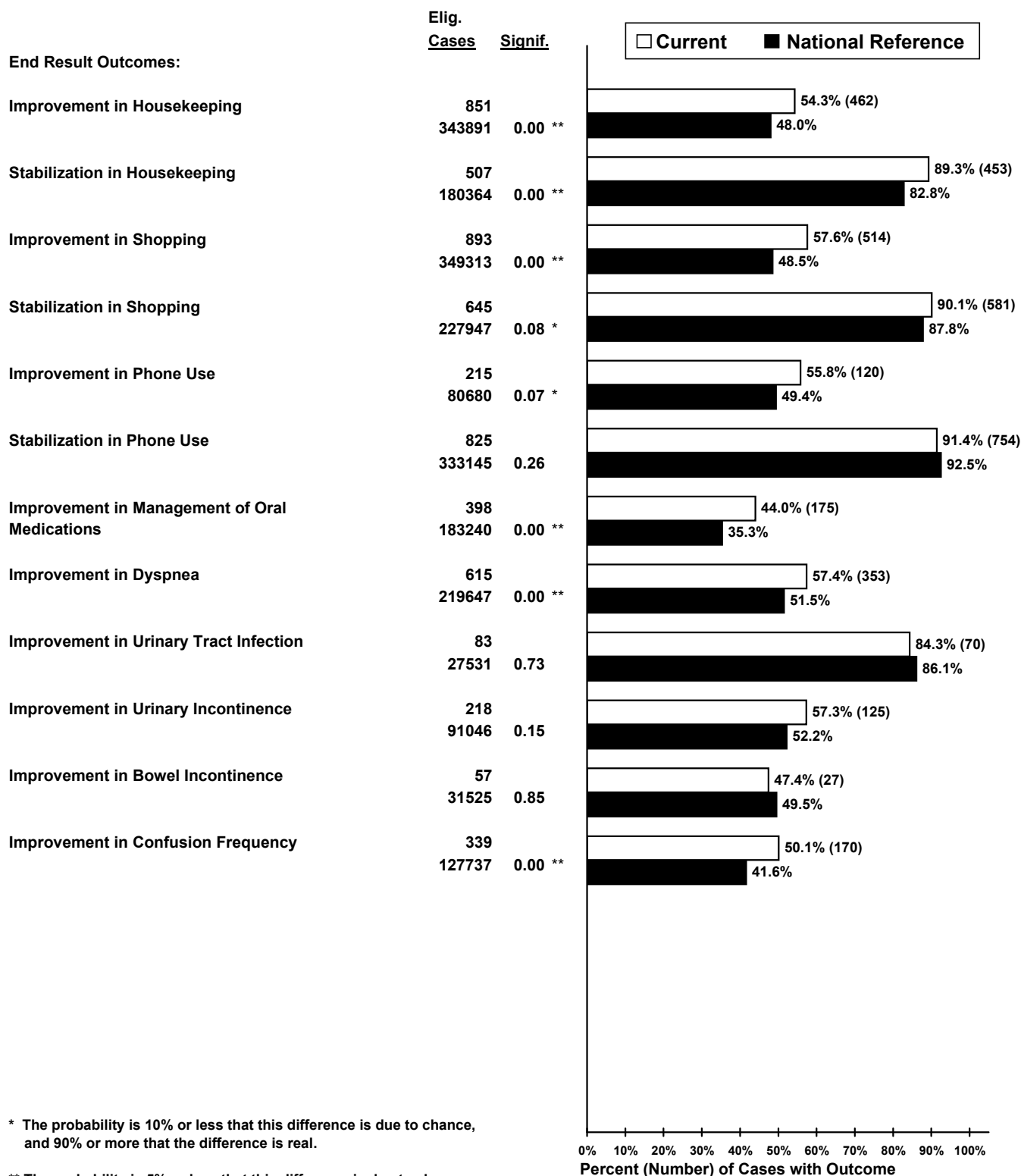
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 Medicare Number: 007004  
 Medicaid Number: 999888004

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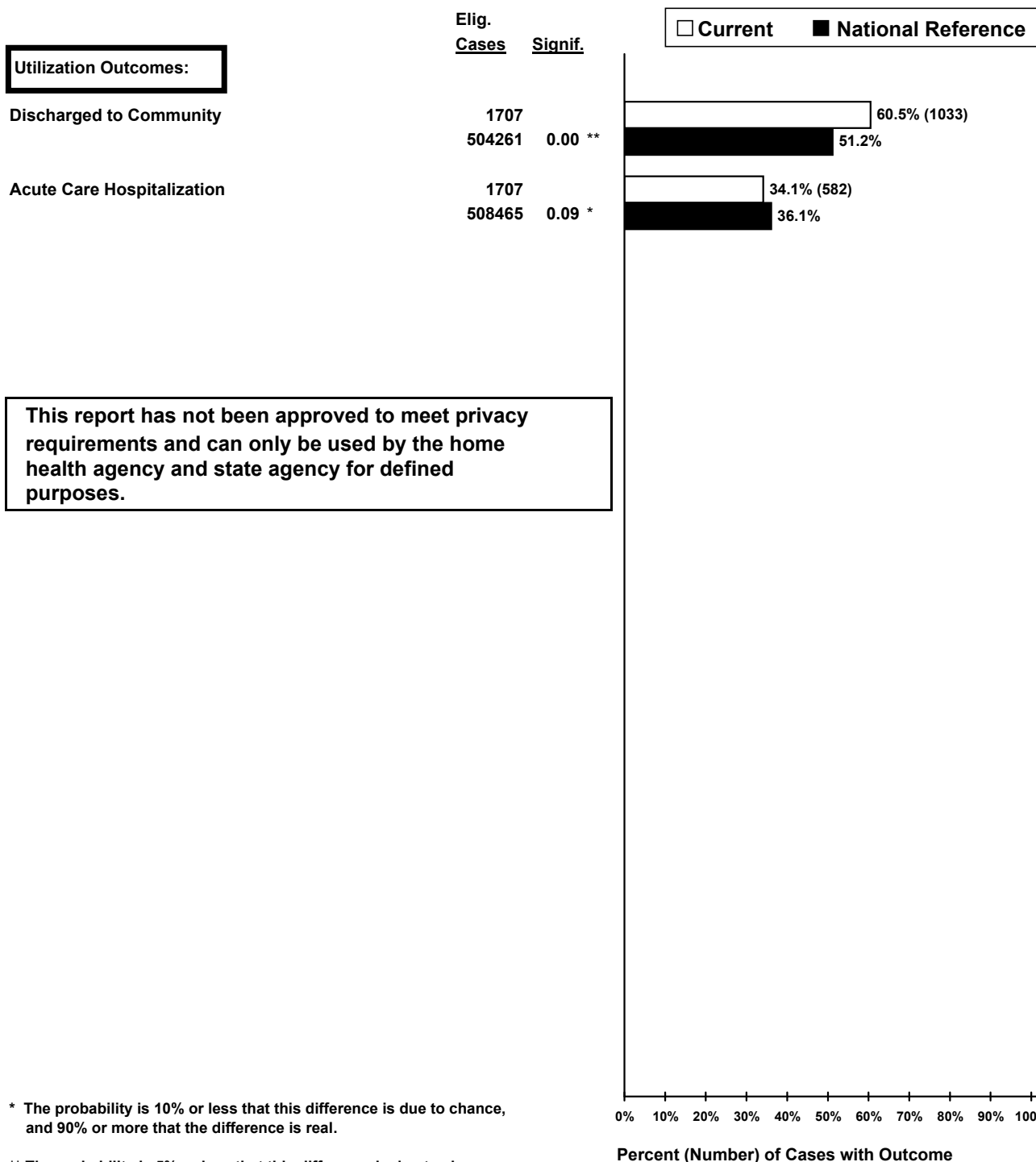
## All Patients' Risk Adjusted Outcome Report



Agency Name: CLASSIC AGENCY  
 Agency ID: HHA04  
 Location: ANYTOWN, USA  
 Medicare Number: 007004  
 Medicaid Number: 999888004

Requested Current Period: 01/2001 - 12/2001  
 Actual Current Period: 01/2001 - 12/2001  
 Number of Cases in Current Period: 1707  
 Number of Cases in Natl Ref Sample: 508465  
 Date Report Printed: 02/28/2002

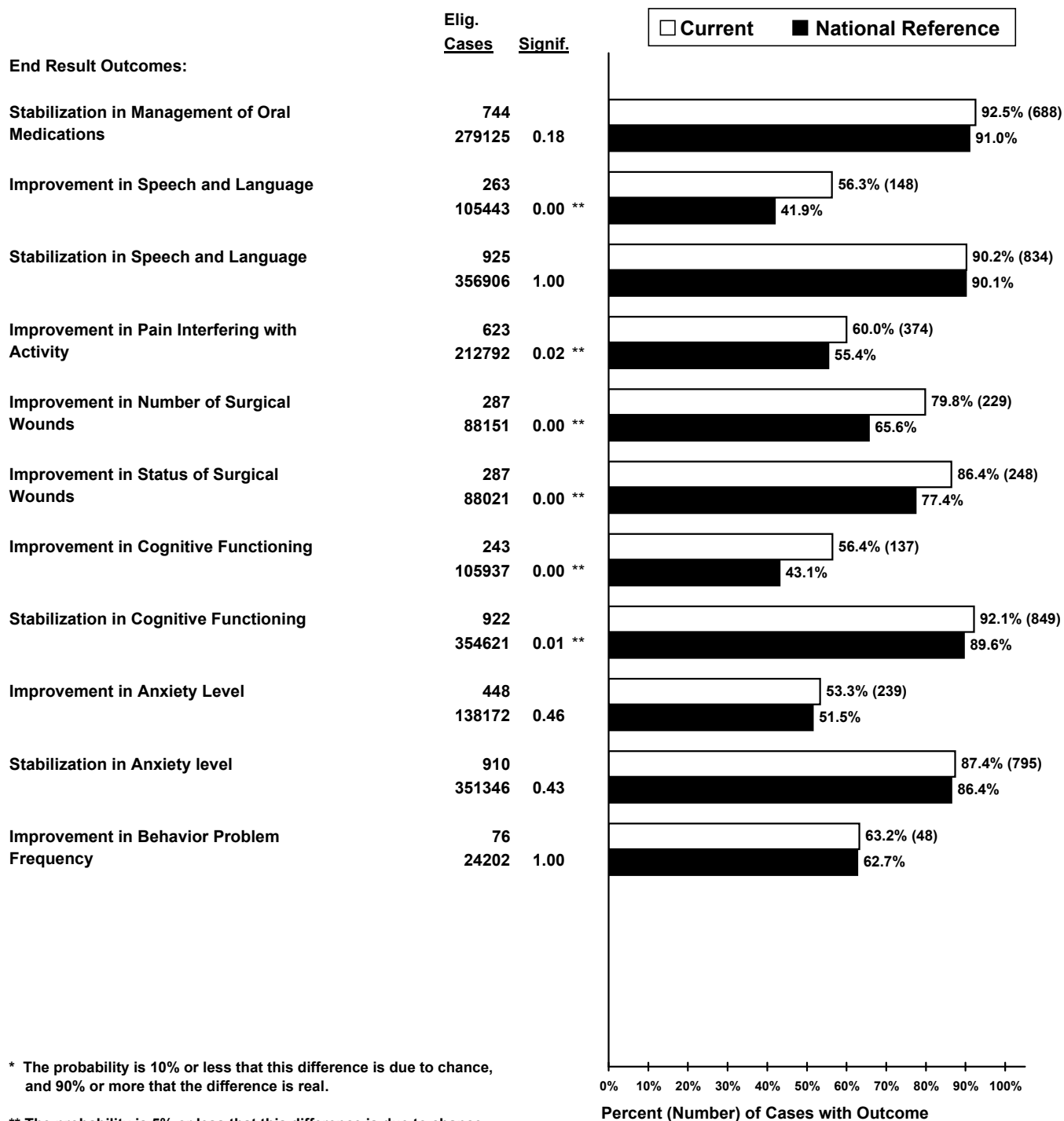
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 Agency ID: HHA04  
 Location: ANYTOWN, USA  
 Medicare Number: 007004  
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Requested Current Period: 01/2001 - 12/2001  
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## All Patients' Descriptive Outcome Report

